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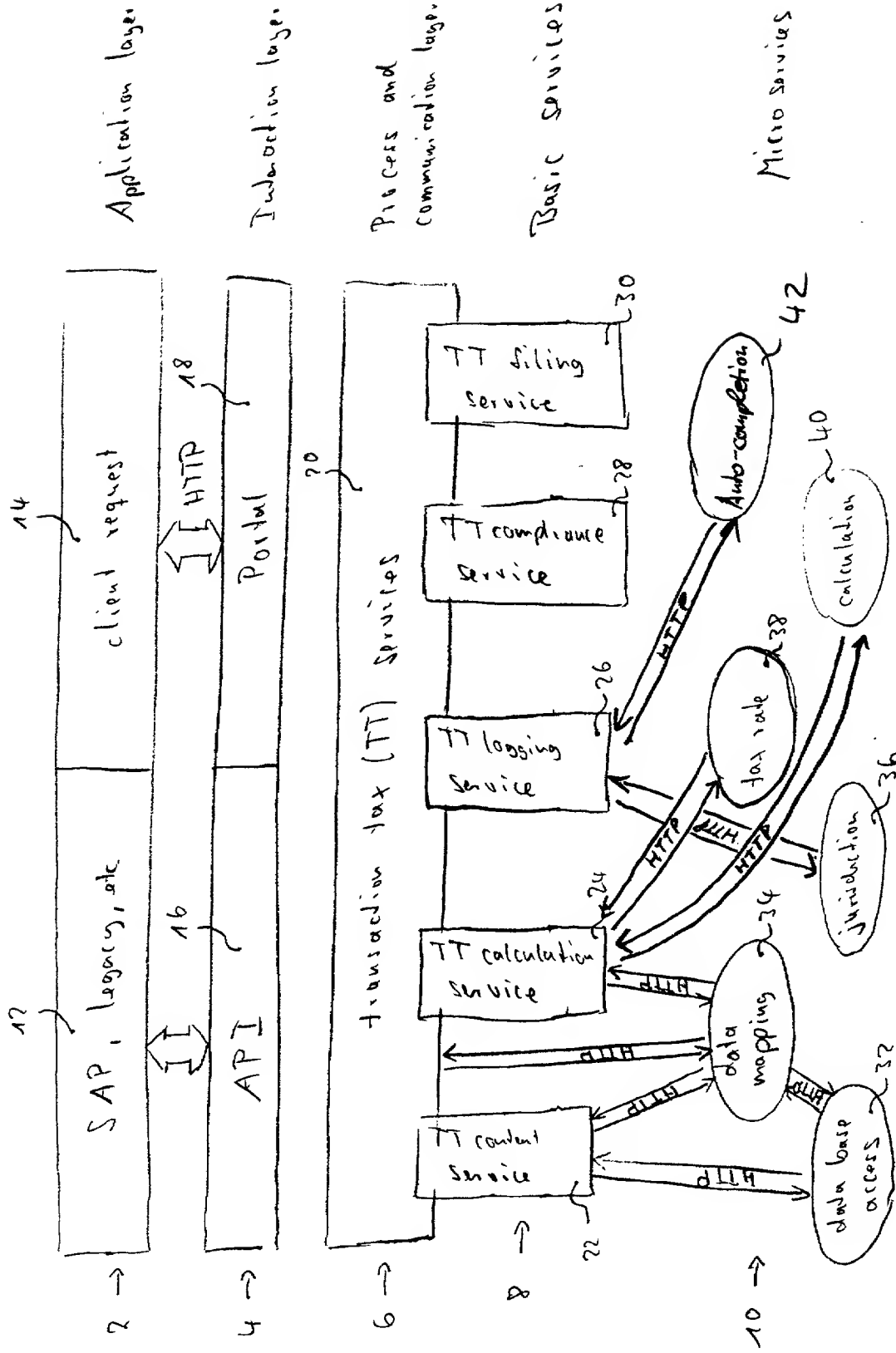


Figure 1

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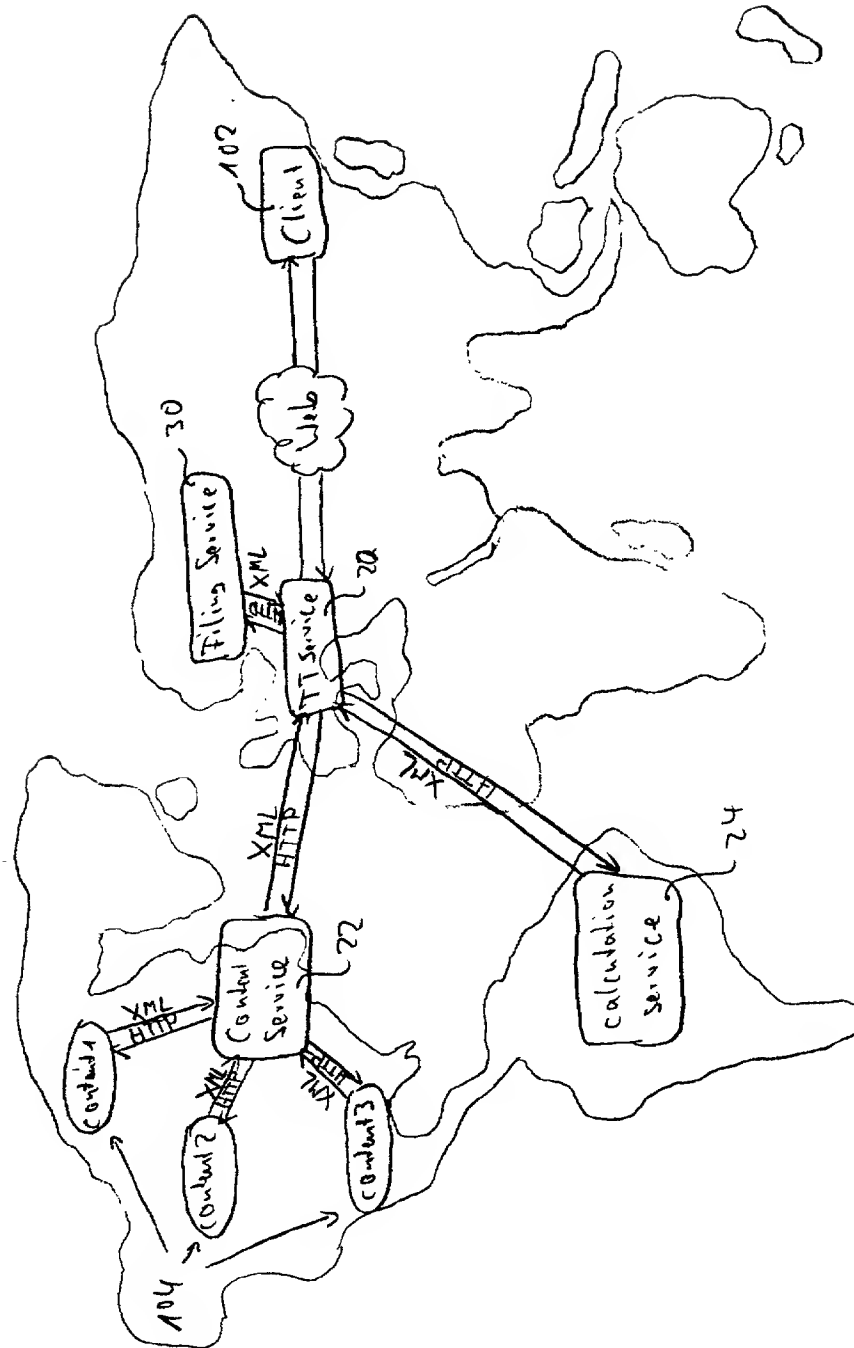


Figure 2

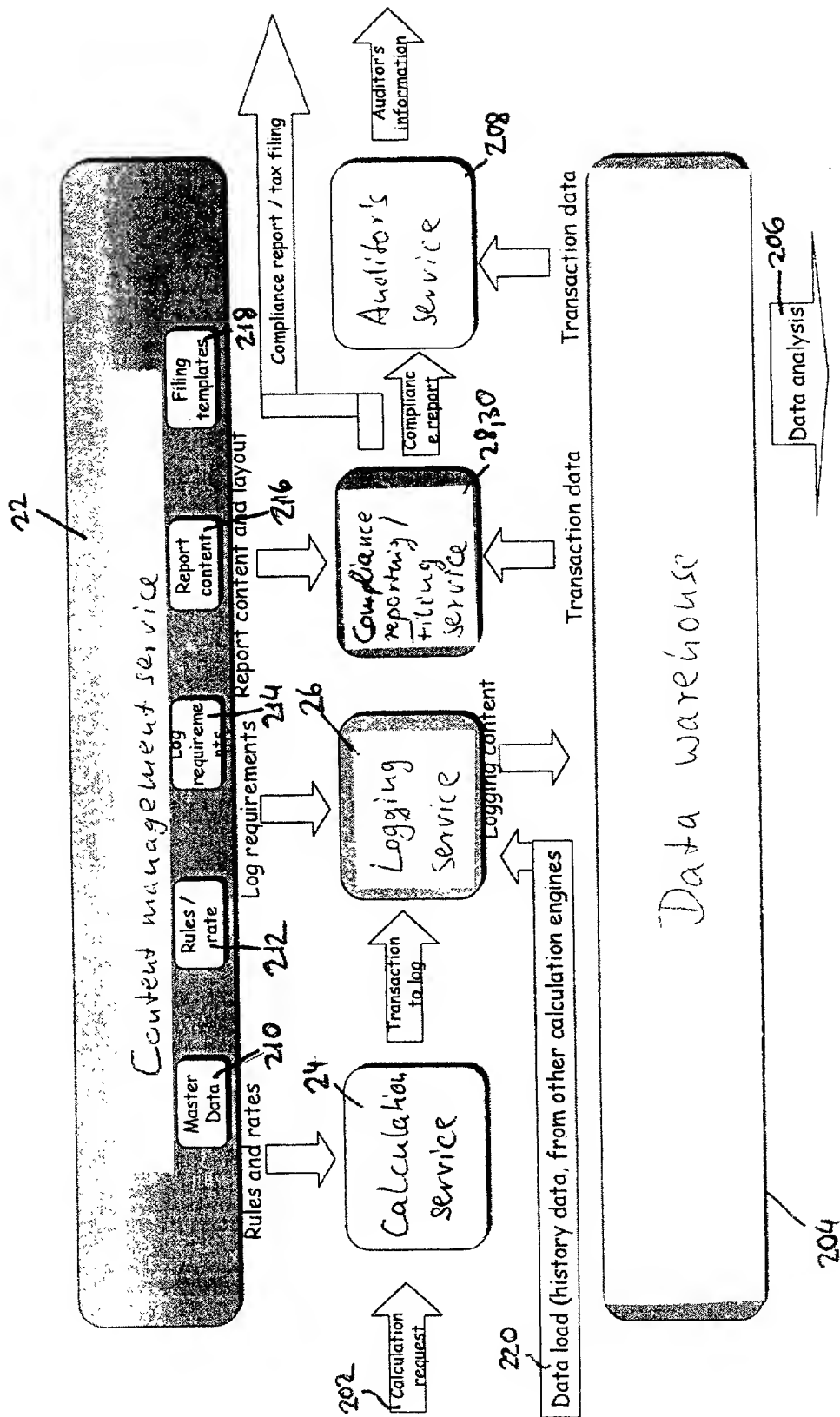


Fig. 3

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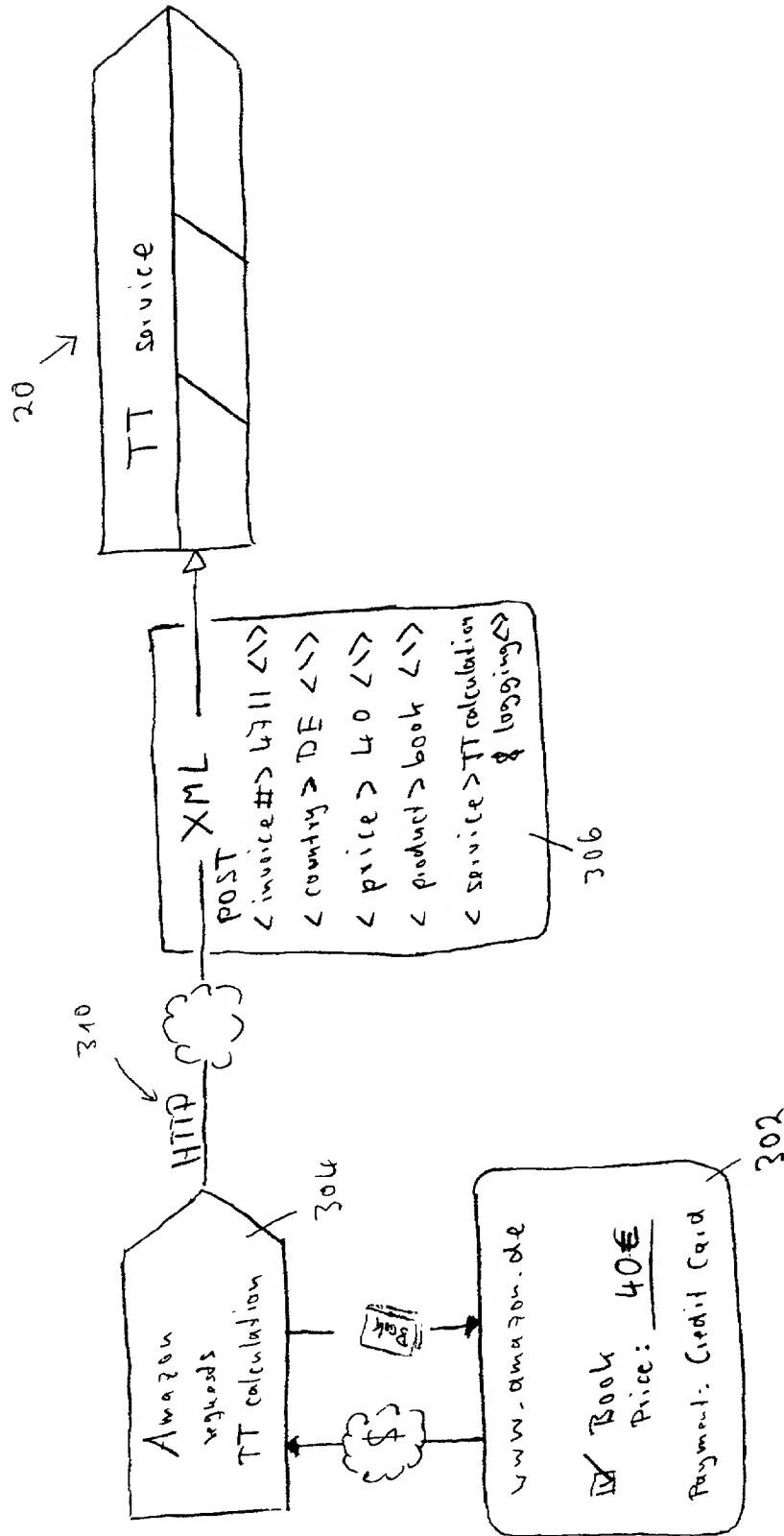
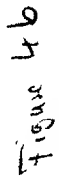
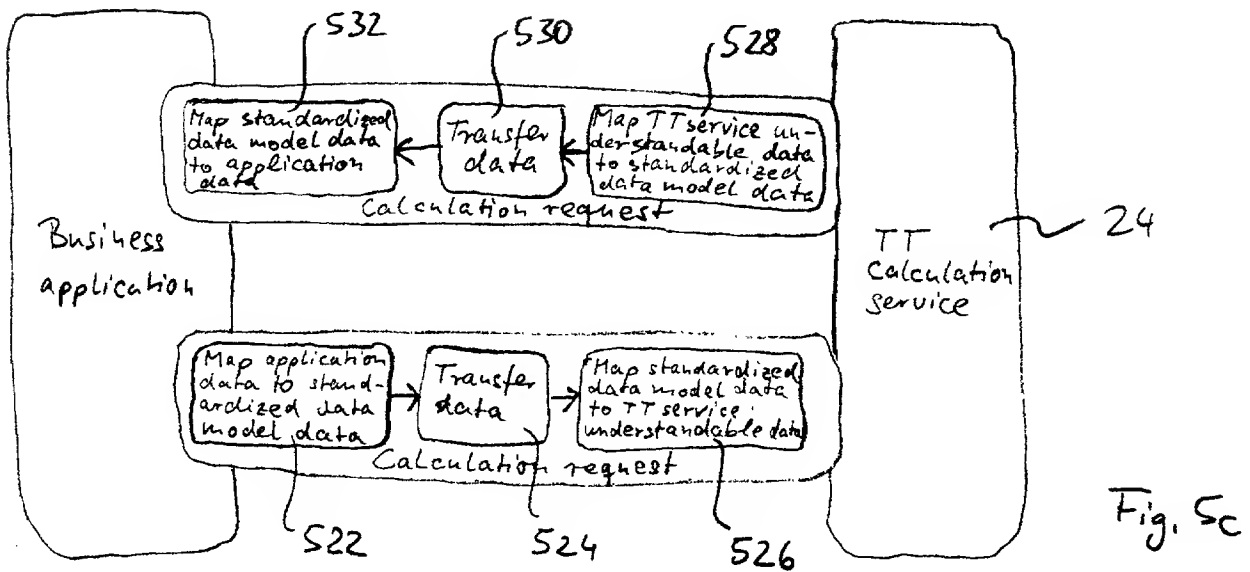
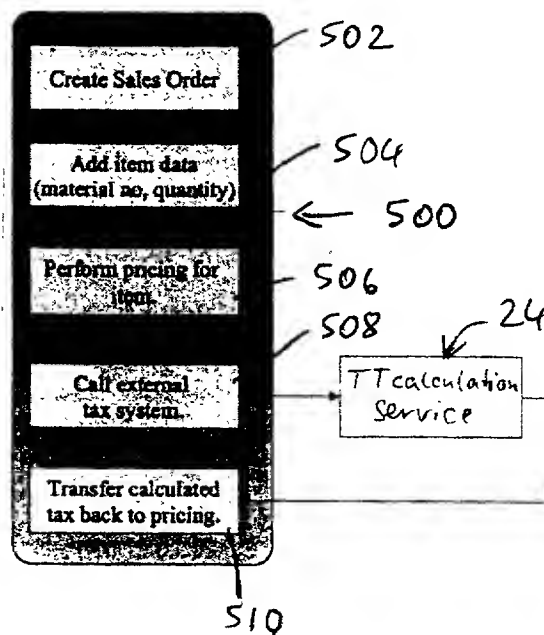
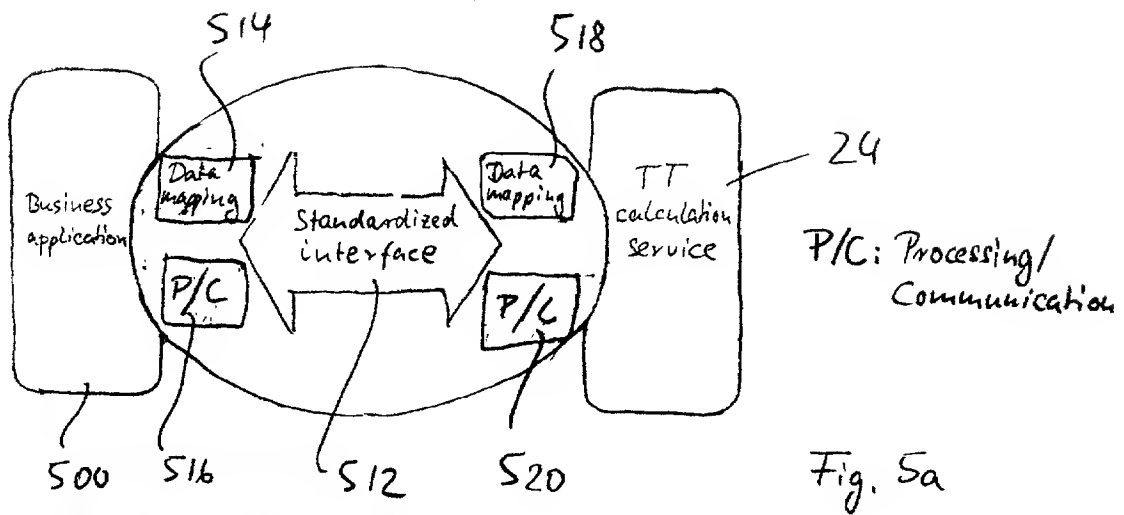


Figure 4a



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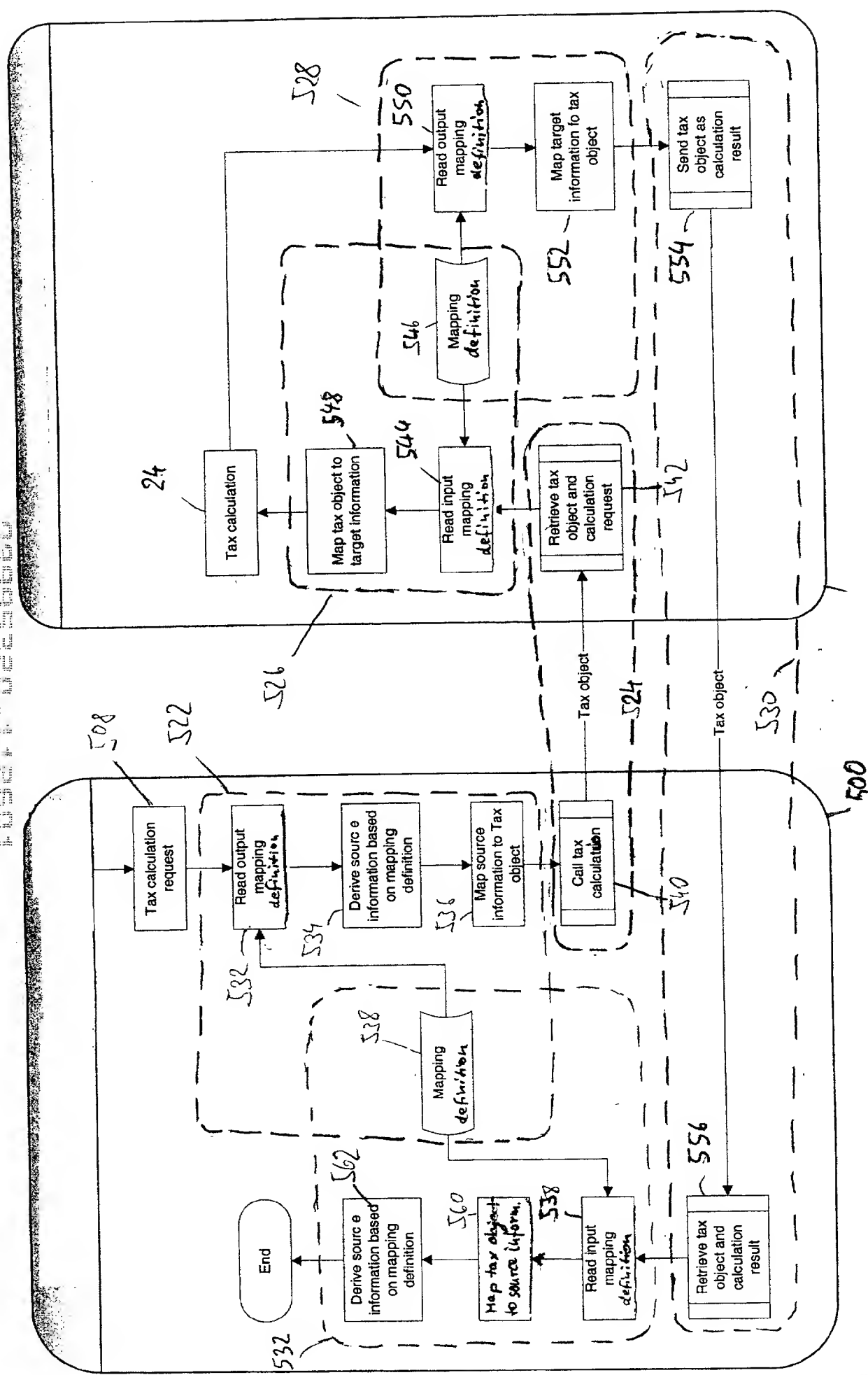


Fig. 5d

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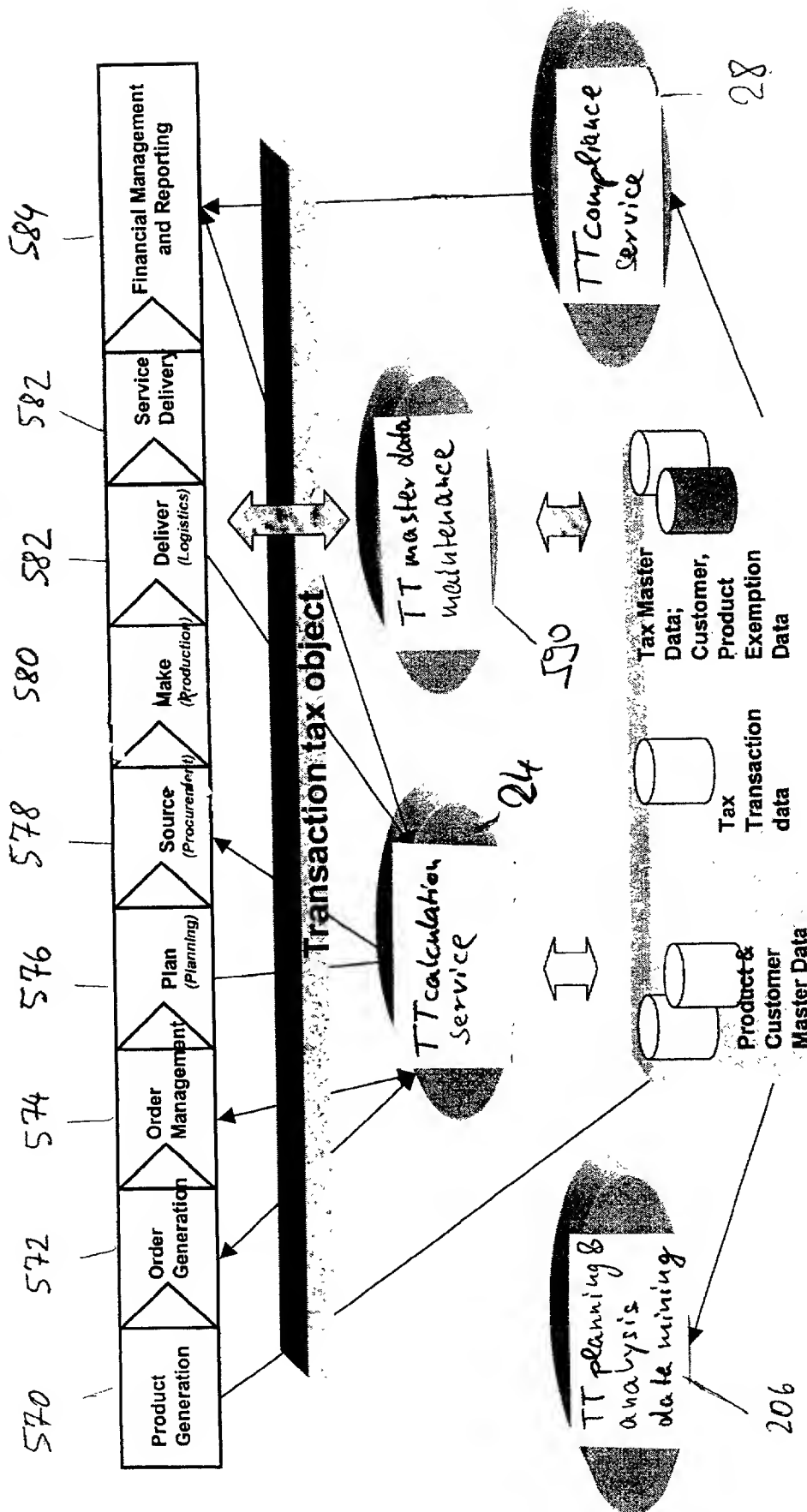


Fig. 5e

Fig. 6

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inbound elements

| Field No | Data element | Sub Data element | Type | Description | Required |
|----------|-------------------------------|------------------|------|----------------------------------------------------------------|----------|
| 1. | Company-ID | | | Legal entity, which is associated with the transaction. | X |
| 2. | Division | | | Used in reporting to identify the business within a company. | |
| 3. | Creator | | | Application, which passes transaction to txn tax engine. | |
| 4. | Ship-from address | | | Ship-from location address | X |
| 5. | | Street | | Street address | |
| 6. | | Territory | | Territory | |
| 7. | | Province | | Province, used for jurisdiction processing for US | |
| 8. | | County | | County | |
| 9. | | City | | City | |
| 10. | | Postal Code | | Postal code | |
| 11. | | State | | State | |
| 12. | | Country | | ISO Country Code | |
| 13. | Destination / Ship-to address | | | Ship - to address for goods, performed-at-address for services | X |
| 14. | | Name | | Name of Company receiving goods or services | |
| 15. | | Street | | Street address | |
| 16. | | Territory | | Territory | |
| 17. | | Province | | Province, used for jurisdiction processing for US | |
| 18. | | County | | County | |
| 19. | | City | | City | |
| 20. | | Postal Code | | Postal code | |
| 21. | | State | | State | |
| 22. | | Country | | ISO Country Code | |
| 23. | Origin / POO address | | | Seller address, for US point of order origin | |
| 24. | | Street | | Street address | |
| 25. | | Territory | | Territory | |
| 26. | | Province | | Province, used for jurisdiction | |

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| Field No. | Data element | Sub Data element | Type | Description | Required |
|-----------|--------------------|------------------|---------|---------------------------------------------------|----------|
| | | | | processing for US | |
| 27. | | County | | County | |
| 28. | | City | | City | |
| 29. | | Postal Code | | Postal code | |
| 30. | | State | | State | |
| 31. | | Country | | ISO Country Code | |
| 32. | POA address | | | Point of order acceptance address | |
| 33. | | Street | | Street address | |
| 34. | | Territory | | Territory | |
| 35. | | Province | | Province, used for jurisdiction processing for US | |
| 36. | | County | | County | |
| 37. | | City | | City | |
| 38. | | Postal Code | | Postal code | |
| 39. | | State | | State | |
| 40. | | Country | | ISO Country Code | |
| 41. | Invoice-to address | | | Invoice-to / bill-to address | |
| 42. | | Name | | Name of Company receiving invoice | |
| 43. | | Street | | Street address | |
| 44. | | Territory | | Territory | |
| 45. | | Province | | Province, used for jurisdiction processing for US | |
| 46. | | County | | County | |
| 47. | | City | | City | |
| 48. | | Postal Code | CHAR(5) | Postal code | |
| 49. | | State | | State | |
| 50. | | Country | | ISO Country Code | |
| 51. | Sold-to address | | | Address of the contractual relationship | |
| 52. | | Name | | Name of Company | |
| 53. | | Street | | Street address | |
| 54. | | Territory | | Territory | |
| 55. | | Province | | Province, used for jurisdiction processing for US | |
| 56. | | County | | County | |
| 57. | | City | | City | |
| 58. | | Postal Code | CHAR(5) | Postal code | |
| 59. | | State | | State | |

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| Field No. | Data element | Sub Data element | Type | Description | Required |
|-----------|------------------------------------------------|------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 60. | | Country | | ISO Country Code | |
| 61. | Point-of-title passage | | | Location at which legal title has transferred to the purchaser (POO / Ship from location, ship-to location) US-only | |
| 62. | Transaction type | | | Describes the type of transaction (sales or purchase) | |
| 63. | Kind of transaction | | | Describes the transaction (normal purchase/sales, lease, rental, return,...) | |
| 64. | Invoice date / tax point | | | Date invoice is issued. Used as reference for tax calculation. For credit / corrections, this need to be the original date of the invoice. | |
| 65. | Delivery date / transaction date | | | Date goods are delivered, shipped or moved. | |
| 66. | Mode of transport | | | Describe means by which the goods are transported (sea, rail, road, air) | |
| 67. | Commodity / Service code (Product code for US) | | | Identifies the type of product and is needed for tax rate determination. | |
| 68. | Credit / correction indicator | | | Identifies credit / correction transaction | |
| 69. | Reason Code | | | Reason for exemption from tax (US only) | |
| 70. | | Country | | | |
| 71. | | State/Province | | | |
| 72. | | County | | | |
| 73. | | City | | | |
| 74. | Tax certificate Number | | | Tax certificate number, which indicates that the transaction is exempt from taxes. | |
| 75. | | Country | | | |
| 76. | | State/Province | | | |
| 77. | | County | | | |
| 78. | | City | | | |
| 79. | Exemption Certificate type | | | Key type of certificate (US Only) | |
| 80. | Invoice / Document number | | | Document number | |
| 81. | Customer Number | | | Unique identification for customer. | |
| 82. | Customer Name | | | | |
| 83. | Contract Number | | | Contract related to transaction | |
| 84. | Currency | | | Code identifying the currency used on document. | |
| 85. | Unit of measure | | | | |

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| Field No. | Data element | Sub Data element | Type | Description | Required |
|-----------|----------------------------------|------------------|------|-------------------------------------------------------------------------------------------------------------------|----------|
| 86. | Product Number | | | Number of product | |
| 87. | Product description | | | Description of good or service | |
| 88. | Original document number | | | Reference to original document. Used for credit / correction transactions | |
| 89. | Document type | | | Order, trade invoice, purchase order, bill of lading | |
| 90. | Agent Indicator | | | Agent used for reporting of this transaction | |
| 91. | Country of origin | | | Country in which goods originate or place, where the last significant processing or manufacturing took place. | |
| 92. | Destination code | | | Region of dispatch/arrival, where the goods are produced, assembled, processed, repaired or maintained. (EU only) | |
| 93. | Delivery term | | | Freight code representing terms of trade between a buyer and a seller (INCO terms) | |
| 94. | Port of loading | | | Nature of transaction. | |
| 95. | Distance sale indicator | | | Transaction is a distance sale. Allows to distinguish sales above and under the threshold) | |
| 96. | Statistical procedure | | | Flow and process of merchandise. (EU only – Intrastat) | |
| 97. | New means of transport Indicator | | | Transaction involves new mean of transport | |
| 98. | Affiliation | | | Indicates an affiliation between declarant and business partner. | |
| 99. | Fiscal date | | | Date for which the transaction is reported. | |
| 100. | Tax level | | | Define at which jurisdiction level tax should be calculated (US only). | |
| 101. | Seller Registration Number | | | In case this field is filled, tax engine will not check against their company legal structure | |
| 102. | Buyer registration number | | | Tax registration number of buyer | |
| 103. | Agent registration number | | | | |
| 104. | Override tax rate | | | Override over system determined tax rate. Used to pass a transaction only into the audit file. | |
| 105. | | Territory | | | |
| 106. | | Province | | | |
| 107. | | County | | | |
| 108. | | City | | | |
| 109. | | State | | | |

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| Field No. | Data element | Sub Data element | Type | Description | Required |
|-----------|----------------------------|------------------|------|------------------------------------------------------------------------------------------------------|----------|
| 110. | | Country | | | |
| 111. | Override txn tax amount | | | Override over system determined tax rate. Used to pass a transaction only into the audit file. | |
| 112. | | Territory | | | |
| 113. | | Province | | | |
| 114. | | County | | | |
| 115. | | City | | | |
| 116. | | State | | | |
| 117. | | Country | | | |
| 118. | Invoice line number | | | | |
| 119. | Invoice summary indicator | | | Indicates, that this transaction line represents an invoice summary | |
| 120. | Line item amount | | | Price of goods/services on the line item. | |
| 121. | Over tax amount | | | Any duty or extraneous tax amounts. | |
| 122. | Discount amount | | | Amount being discounted for the invoice or the line item. | |
| 123. | Freight Amount | | | Cost associated with the transportation. | |
| 124. | Insurance amount | | | Cost of insurance on goods relating to goods flow | |
| 125. | Exempt amount | | | Amount of the transaction, which is exempt from tax | |
| 126. | | Territory | | | |
| 127. | | Province | | | |
| 128. | | County | | | |
| 129. | | City | | | |
| 130. | | State | | | |
| 131. | | Country | | | |
| 132. | Insurance amount foreign | | | Insurance on goods related to the part of the flow, which took part outside of taxation jurisdiction | |
| 133. | Freight amount foreign | | | Freight amount related to the part of the flow, which took part outside of taxation jurisdiction | |
| 134. | Reduced Basis Percentage | | | Used to reduce the taxable gross amount before calculating tax (US) | |
| 135. | Currency conversion factor | | | Used to convert amounts for reporting / invoicing purposes | |
| 136. | Net mass / volume | | | Weight / volume of goods involved in transaction. | |
| 137. | Recoverable percentage | | | Percentage used to calculate recoverable amount (default = 100%) | |

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outbound elements

| Field No. | Data element | Sub Data element | Type | Description |
|-----------|-------------------------------------|------------------|------|-----------------------------------------------------------------------------------------------------|
| 1. | Completion code | | | Code providing information how the system has processed the transaction. |
| 2. | | Overall | | |
| 3. | | Country | | |
| 4. | | Territory | | |
| 5. | | State | | |
| 6. | | Province | | |
| 7. | | County | | |
| 8. | | City | | |
| 9. | Overall completion code description | | | Description completion code overall |
| 10. | Error code | | | Code indicating, why a transaction wasn't processed. |
| 11. | Processing date | | | Date, when the transaction was processed |
| 12. | Transaction number | | | Unique identifier of transaction processed by txn tax engine |
| 13. | Zero rate indicator | | | Indicates, whether there is no tax on the transaction or the transaction is zero-rated. |
| 14. | Zero rate reason | | | Indicate, whether a transaction is zero-rated. |
| 15. | Taxing location | | | Location to be determined to be the taxing location (POO, POA, Ship-from, ship-to, invoice-to, ...) |
| 16. | Jurisdiction applied | | | Jurisdiction applied for taxation |
| 17. | | Country | | |
| 18. | | Territory | | |
| 19. | | State | | |
| 20. | | Province | | |
| 21. | | County | | |
| 22. | | City | | |
| 23. | | Postal code | | |
| 24. | Tax type | | | Type of tax determined |
| 25. | | Country | | |
| 26. | | Territory | | |
| 27. | | State | | |
| 28. | | Province | | |

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| Field No. | Data element | Sub Data element | Type | Description |
|-----------|-------------------------|------------------|------|--------------------------------------------------------|
| 29. | | County | | |
| 30. | | City | | |
| 31. | | Postal code | | |
| 32. | Tax certificate applied | | | Number of certificate applied to this transaction (US) |
| 33. | | Country | | |
| 34. | | Territory | | |
| 35. | | State | | |
| 36. | | Province | | |
| 37. | | County | | |
| 38. | | City | | |
| 39. | | Postal code | | |
| 40. | Exempt reason | | | Indicator for exempt reason |
| 41. | | Country | | |
| 42. | | Territory | | |
| 43. | | State | | |
| 44. | | Province | | |
| 45. | | County | | |
| 46. | | City | | |
| 47. | | Postal code | | |
| 48. | Calculated tax amount | | | Tax amount calculated |
| 49. | | Overall | | Summary of all detail levels |
| 50. | | Country | | |
| 51. | | Territory | | |
| 52. | | State | | |
| 53. | | Province | | |
| 54. | | County | | |
| 55. | | City | | |
| 56. | | Postal code | | |
| 57. | Tax rate applied | | | Tax rate used for calculation |
| 58. | | Country | | |
| 59. | | Territory | | |
| 60. | | State | | |
| 61. | | Province | | |
| 62. | | County | | |
| 63. | | City | | |
| 64. | | Postal code | | |

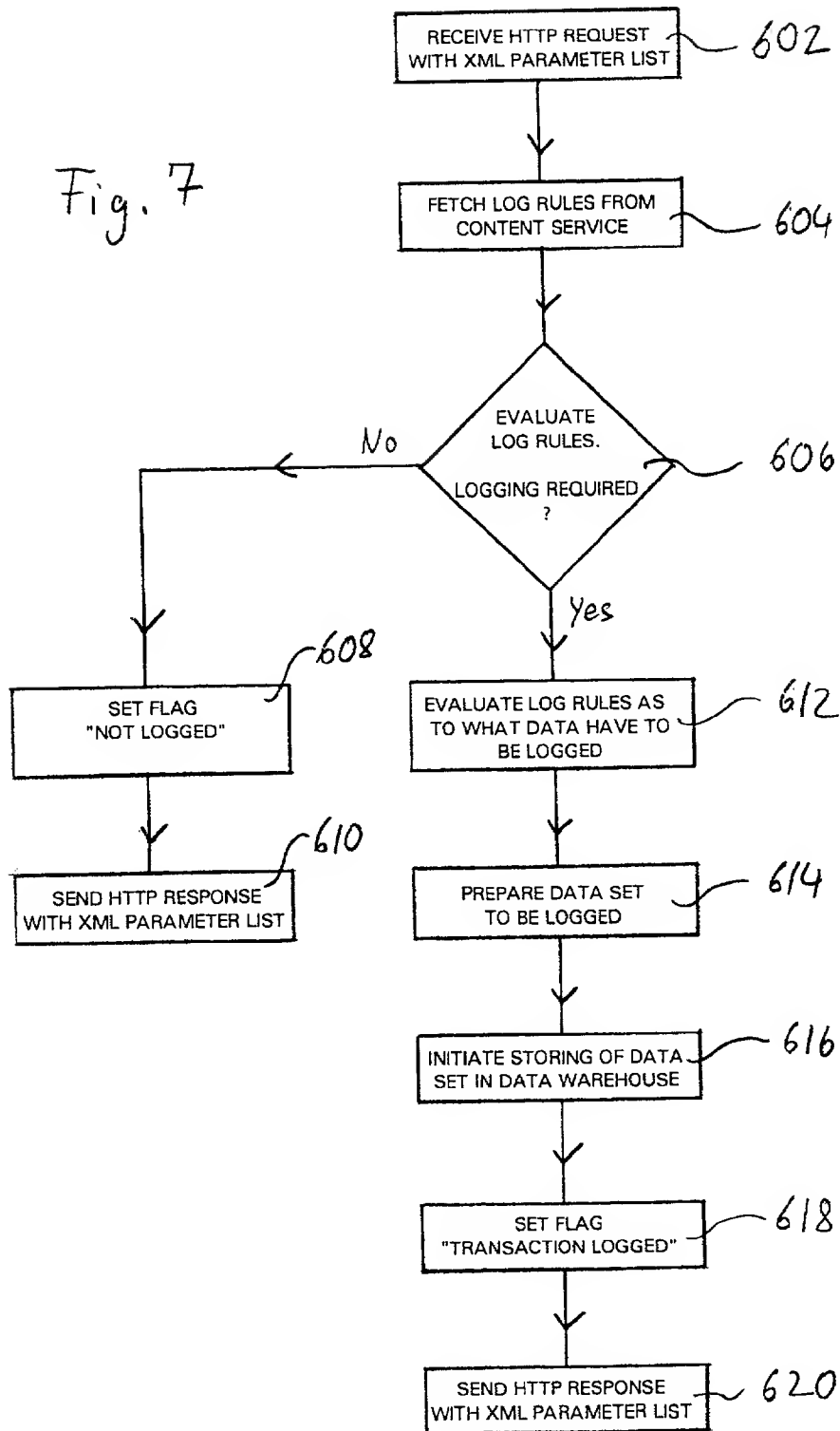
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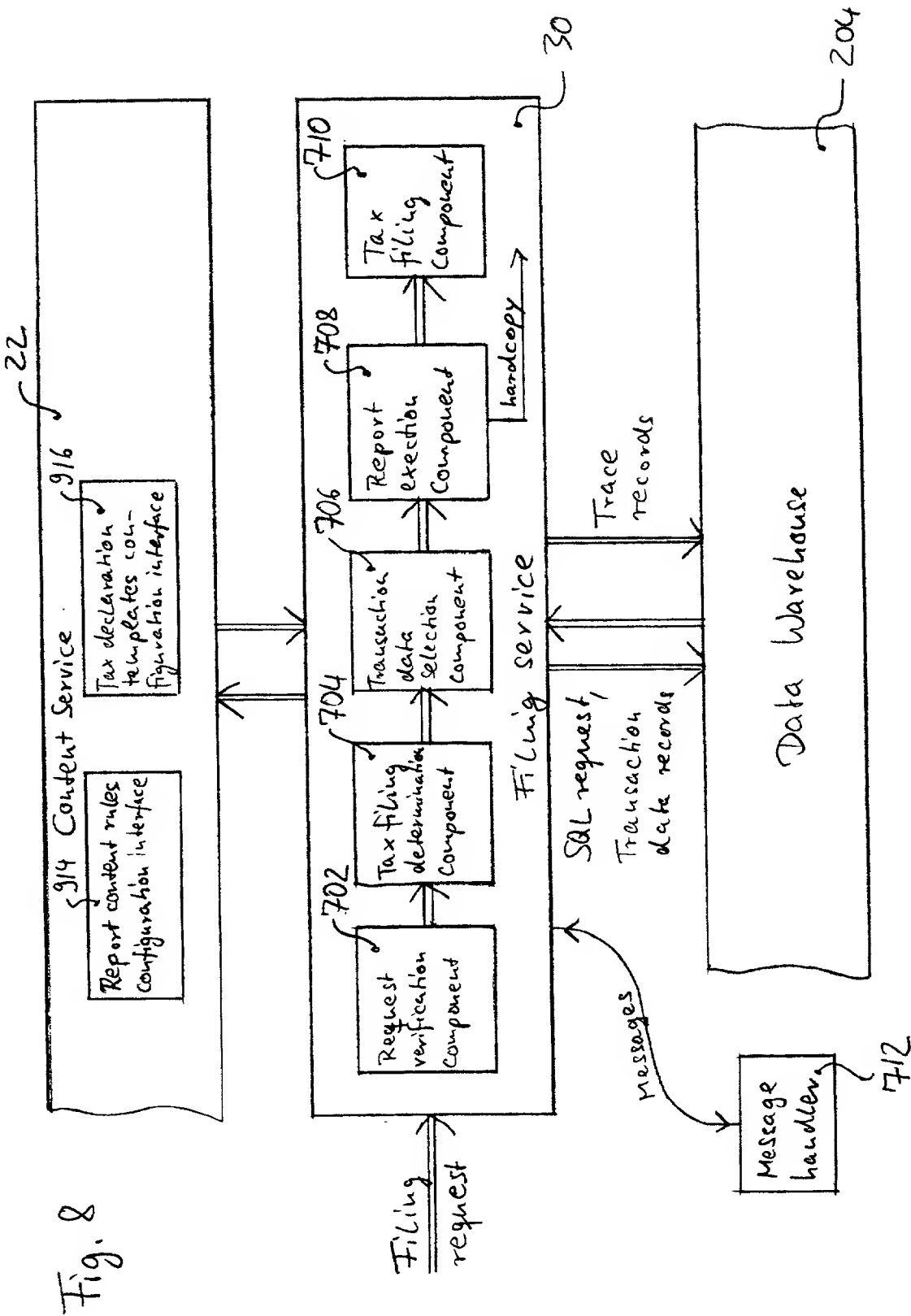
| Field No. | Data element | Sub Data element | Type | Description |
|-----------|------------------------|------------------|------|---------------------------------------------------------------------------------------------------------------------------|
| 65. | Line item sum | | | Sum of all amount for the line item |
| 66. | Invoice sum | | | Gross amount of invoice (including tax) |
| 67. | Basis amount | | | Amount used for tax calculation |
| 68. | | Country | | |
| 69. | | Territory | | |
| 70. | | State | | |
| 71. | | Province | | |
| 72. | | County | | |
| 73. | | City | | |
| 74. | | Postal code | | |
| 75. | Report indicator | | | Indicates onto which report (Intrastat, return, VIES) this transaction belongs. |
| 76. | Titles | | | Specific sentence, which need to appear on the legal documents like invoice. |
| 77. | Recoverable indicator | | | Indicates, whether or not tax for this transaction is recoverable. |
| 78. | Accounting reference | | | Reference to account to which the tax amounts should be booked |
| 79. | External tax reference | | | Reference to external tax identification needed for further processing within the calling application (i.e. SAP tax code) |

processing elements

| Field No. | Data element | Sub Data element | Description |
|-----------|----------------------------|------------------|-----------------------------------------------------------------------------------------------------|
| 1. | Language | | Identifies language used for this document |
| 2. | Calculation mode | | Mode of calculation (back calculation, tax amount already passed) |
| 3. | Audit file indicator | | Transaction should be logged (is final transaction). |
| 4. | Exemption system use | | Indicates that exemption information has to be retrieved from a specific exemption document engine. |
| 5. | Exemption level | | Indicates, which the exemption should be used |
| 6. | End of invoice indicator | | Indicate the end of the document |
| 7. | Invoice Summary indicator | | Transaction is invoice summary. |
| 8. | Reverse charge indicator | | Indicates the use of the reverse charge mechanism |
| 9. | Report exclusion indicator | | Indicates, that this transaction should be excluded from to be defined reporting. |

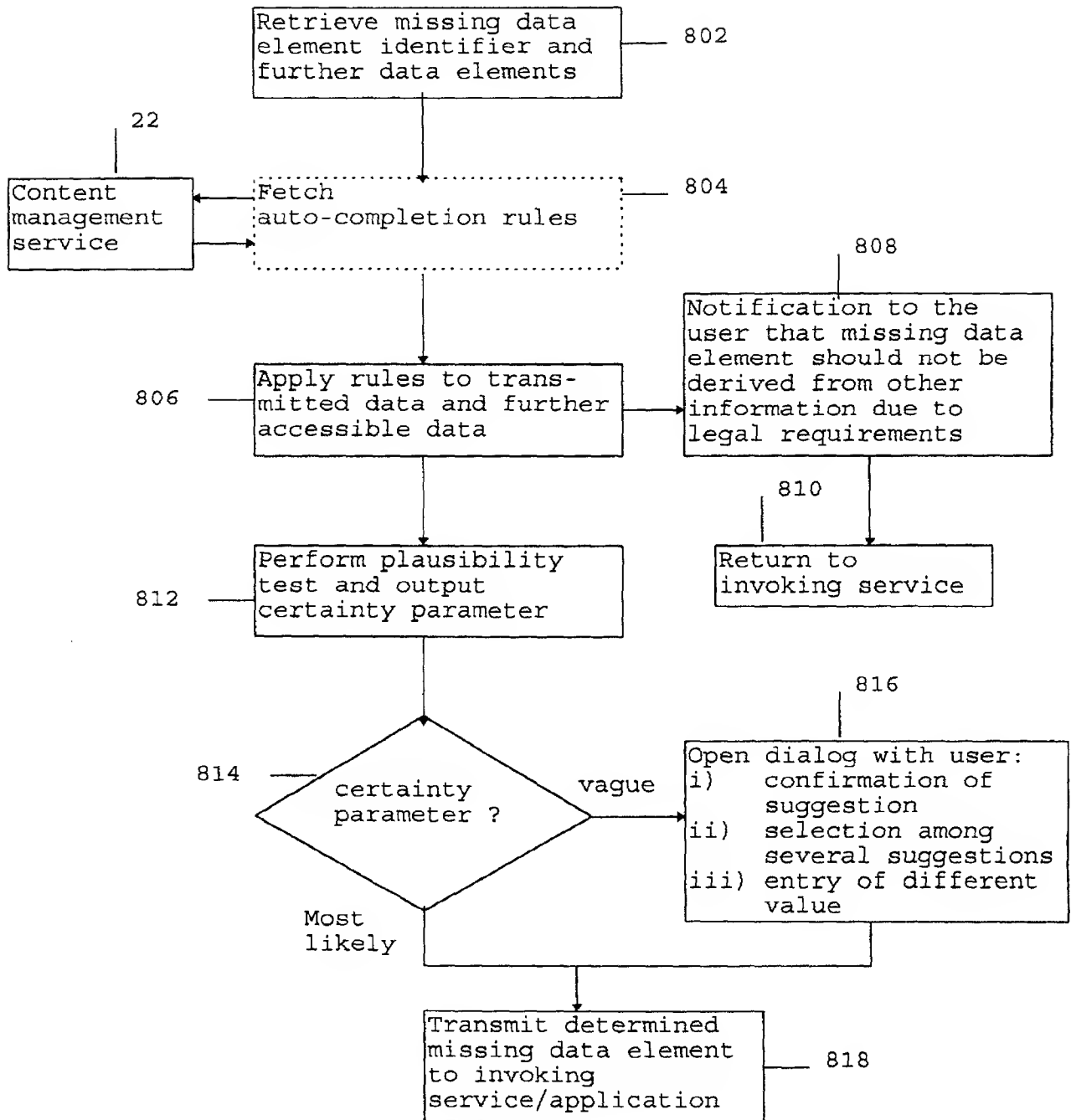
Fig. 7





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Figur 9